

Title (en)
NEGATIVE ELECTRODE ACTIVE MATERIAL PARTICLE FOR LITHIUM SECONDARY BATTERY, NEGATIVE ELECTRODE AND METHODS FOR PRODUCING THOSE

Title (de)
NEGATIV-ELEKTRODEN-AKTIVMATERIAL-TEILCHEN FÜR EINE LITHIUM-SEKUNDÄRBATTERIE, NEGATIV-ELEKTRODE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PARTICULE DE MATÉRIAU AGISSANT COMME ÉLECTRODE NÉGATIVE POUR BATTERIE SECONDAIRE AU LITHIUM, ÉLECTRODE NÉGATIVE ET PROCÉDÉ LEURS DE FABRICATIONS

Publication
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Application
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Priority
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Abstract (en)
Disclosed is a negative electrode active material particle for lithium secondary batteries which electrochemically adsorbs and discharges lithium. This negative electrode active material particle for lithium secondary batteries is characterized by including a first metal having a property of mainly adsorbing and discharging lithium, and a second metal having a property of stabilizing the shape change of the first metal at the time of adsorption or discharge of lithium, while mainly containing an alloy composition composed of the first metal and the second metal, such as CoSn₂. Also disclosed are a negative electrode using such a negative electrode active material particle, and methods for producing them.

IPC 8 full level
H01M 4/38 (2006.01); **H01M 4/02** (2006.01); **H01M 4/04** (2006.01); **H01M 4/1395** (2010.01); **H01M 4/36** (2006.01); **H01M 4/62** (2006.01); **H01M 10/04** (2006.01); **H01M 10/052** (2010.01); **H01M 10/36** (2010.01)

CPC (source: EP KR)
H01M 4/0404 (2013.01 - EP); **H01M 4/0419** (2013.01 - EP); **H01M 4/0421** (2013.01 - EP); **H01M 4/0426** (2013.01 - EP); **H01M 4/0461** (2013.01 - EP); **H01M 4/0471** (2013.01 - EP); **H01M 4/13** (2013.01 - KR); **H01M 4/139** (2013.01 - KR); **H01M 4/1395** (2013.01 - EP); **H01M 4/362** (2013.01 - EP); **H01M 4/38** (2013.01 - EP KR); **H01M 4/386** (2013.01 - EP); **H01M 4/387** (2013.01 - EP); **H01M 4/625** (2013.01 - EP); **H01M 10/0427** (2013.01 - EP); **H01M 10/0481** (2013.01 - EP); **H01M 10/052** (2013.01 - KR); **H01M 4/02** (2013.01 - EP); **H01M 10/052** (2013.01 - EP); **H01M 2004/021** (2013.01 - EP); **H01M 2004/027** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

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